

# SEQUENCE LISTING

<110> Theratechnologies Inc.  
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<120> Selection and treatment of patients suffering from wasting

<130> 09555.0151USWO

<140> 10/576,439  
 <141> 2006-04-20

<150> PCT/CA2004/001843  
 <151> 2004-10-20

<150> 60/512,198  
 <151> 2003-10-20

<160> 7

<170> PatentIn version 3.3

<210> 1  
 <211> 30  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> GRF peptide

<220>  
 <221> VARIANT  
 <222> (1)..(1)  
 <223> Xaa = Tyr or His

<220>  
 <221> VARIANT  
 <222> (2)..(2)  
 <223> Xaa = Val or Ala

<220>  
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 <222> (8)..(8)  
 <223> Xaa = Asn or Ser

<220>  
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 <222> (13)..(13)  
 <223> Xaa = Val or Ile

<220>  
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<223> Xaa = Ala or Gly

<220>

<221> VARIANT

<222> (18)..(18)

<223> Xaa = Ser or Tyr

<220>

<221> VARIANT

<222> (24)..(24)

<223> Xaa = Gln or His

<220>

<221> VARIANT

<222> (25)..(25)

<223> Xaa = Asp or Glu

<220>

<221> VARIANT

<222> (27)..(27)

<223> Xaa = Met or Ile or Nle

<220>

<221> VARIANT

<222> (28)..(28)

<223> Xaa = Ser or Asn

<220>

<221> VARIANT

<222> (30)..(30)

<223> Xaa = amino acid sequence of 1 up to 15 residues or is a bond

<400> 1

Xaa	Xaa	Asp	Ala	Ile	Phe	Tyr	Xaa	Ser	Tyr	Arg	Lys	Xaa	Leu	Xaa	Gln
1				5					10				15		

Leu	Xaa	Ala	Arg	Lys	Leu	Leu	Xaa	Xaa	Ile	Xaa	Xaa	Arg	Xaa
			20				25					30	

<210> 2

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (44)..(44)

<223> Leu residue is capped with an unsubstituted amide moiety

<400> 2

Tyr	Ala	Asp	Ala	Ile	Phe	Thr	Asn	Ser	Tyr	Arg	Lys	Val	Leu	Gly	Gln
1				5					10				15		

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly  
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu  
35 40

<210> 3  
<211> 44  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Amino acid sequence of human GRF

<400> 3

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln  
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly  
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu  
35 40

<210> 4  
<211> 29  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (29)..(29)  
<223> Arg residue is capped with an unsubstituted amide moiety

<400> 4

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln  
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg  
20 25

<210> 5  
<211> 29  
<212> PRT  
<213> Artificial sequence

<220>

<223> Amino acid sequence of minimum active core of human GRF

<400> 5

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln  
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg  
20 25

<210> 6

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Amino acid sequence corresponding to positions 30 to 44 of human GRF

<400> 6

Gln Gln Gly Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu  
1 5 10 15

<210> 7

<211> 44

<212> PRT

<213> Artificial sequence

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<223> Modified GRF peptide

<220>

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<222> (1)..(1)

<223> Tyr residue is linked to an hexenoyl-trans-3 moiety

<220>

<221> MISC\_FEATURE

<222> (44)..(44)

<223> Leu residue is capped with an unsubstituted amide moiety

<400> 7

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln  
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly  
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu  
35 40